

Products (/products/) > Connectivity (/products/network-connectivity/) > Surge Protectors & Opto-Isolators (/products/network-connectivity/#15) > Telecom Surge Protectors (/products/network-connectivity/#15) > Connect-IT 552

[View Printable \(/products/product_detail.asp?id=130&v=print\)](/products/product_detail.asp?id=130&v=print)

Telecom Surge Protectors

Connect-IT 552 Telco Surge Protectors



Connect IT

Guard All Your Telco Lines: T1, ISDN, DDS, G.SHDSL, Leased & Dial-up!

Overview

Your telco lines are a vital data link with the outside world. But they can also end up bringing some very undesirable transient spikes into your data ports. The Patton Model 552 installs between an incoming telco line and dial-up/leased line/xDSL modem, ISDN modem (a.k.a. TA or NTU), T1/E1/PRI or DDS and intercepts harmful telco line transients before they cause hardware damage. Surge energy is then diverted to nearby chassis ground through a braided metal strap.

The following versions are available:

- Model 552-D2 (dial-up line) protects RJ-11 pins 3 & 4
- Model 552-D4 (dual dial-up line) protects RJ-11 pins 2, 3, 4 & 5
- Model 552-DDS protects RJ-45 pins 1, 2, 7 & 8
- Model 552-T1 (T1, E1, PRI) protects RJ-45 pins 1, 2, 4 & 5
- Model 552/U protects pins 3, 4, 5 & 6 on the RJ-45 connector
- Model 552-ST (ISDN) protects all 8 RJ-45 pins. The ISDN versions of the Model 552 protect both data and battery signals.
- Model 552-GS2 protects RJ-45 pins 4 & 5, whereas the 552-GS4 protects RJ-45 pins 3,4,5 & 6.

The G.SHDSL versions of the Model 552 have a surge handling capacity of 600W, all other versions can handle surges of 1500 Watts. A 6-inch (15-cm) adapter cable is supplied with all Model 552 versions.

Features

- Nine versions custom-tailored to specific telco interfaces
- Surge handling capacity of 1500 Watts
- Surge handling capacity of 600 Watts for G.SHDSL (2W/4W)
- Surge energy diverted to ground through braided metal strap
- "Fail Safe" design protects ISDN equipment in case of overload 6 in. (15.24 cm) modular cable included

Ordering

#	Model #	Description	Availability
1	552-D2	2-WIRE DIAL UP SURGE PROTECTOR	General Availability
2	552-D4	4-WIRE DIAL UP SURGE PROTECTOR	General Availability
3	552-D6	SDN SURGE PROTECTOR	Special Order
4	552-D8	8-WIRE DIAL LINE PROTECTOR	Special Order
5	552-DDS	4-WIRE DDS PROTECTOR	Special Order
6	552-E1	4-WIRE E1 SURGE PROTECTOR	General Availability
7	552-E1 CX	4-WIRE E1 COAX PROTECTOR	General Availability
8	552-GS2	2-WIRE G.SHDSL SURGE PROTECTOR	General Availability
9	552-GS4	4-WIRE G.SHDSL SURGE PROTECTOR	General Availability
10	552-L4	4-WIRE LEASED SURGE PROTECTOR	General Availability
11	552-L8	8-WIRE LEASED LINE PROTECTOR	General Availability
12	552-ST	ISDN SURGE PROTECTOR	General Availability
13	552-T1	4-WIRE T1 PROTECTOR	General Availability
14	552-U	ISDN SURGE PROTECTOR	Special Order

Item Number	Item Description	Price
SVC-SmartCare-BH (/support/support.asp)	Premium Support for Business Hours	Contact us (/howtobuy/) for availability and pricing.
SVC-SmartCare-24/7 (/support/support.asp)	Premium Support, 24 x 7 Coverage	Contact us (/howtobuy/) for availability and pricing.
SVC-SmartAssist-BH (/support/support-professional.asp)	Business Hour Support Services	Contact us (/howtobuy/) for availability and pricing.
SVC-SmartAssist-AH (/support/support-professional.asp)	After Hours Support Services	Contact us (/howtobuy/) for availability and pricing.
SVC-ENHWAR1 (/support/support-warranty.asp)	1 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-ENHWAR2 (/support/support-warranty.asp)	2 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-ENHWAR3 (/support/support-warranty.asp)	3 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing.

SVC-ENHWAR4 (/support/support-warranty.asp)	4 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing.
SVC-ENHWAR5 (/support/support-warranty.asp)	5 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing.
SVC-EXTWAR2 (/support/support-warranty.asp)	2 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing.
SVC-EXTWAR3 (/support/support-warranty.asp)	3 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing.
SVC-EXTWAR4 (/support/support-warranty.asp)	4 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing.
SVC-EXTWAR5 (/support/support-warranty.asp)	5 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing.
SVC-NETENG-HOUR (/support/support-professional.asp)	Network technician hour rate for pre-config services, after hours support, etc.	Contact us (/howtobuy/) for availability and pricing.

Backgrounders

FiberPlex Capabilities Guide (/backgrounders/FiberPlex_Capabilities_Statement.pdf) October 6, 2017

Data Sheets

Patton Product Life Cycle Color Codes (/datasheet/Life-Cycle-Availability-Codes.pdf) April 24, 2015

Product & Solution Guides

Enterprise Networking Products Guide (/guides/07MENTNET-PG-lo.pdf) November 10, 2010

User Manuals & Configuration Guides

Connecting 552-GS2 to CL1300 Series Quick Start Guide for MDOT SHA (/manuals/552-GS-QS_50000045.pdf) November 22, 2019

BroadSoft Configuration Guide for SmartNode SmartWare (/manuals/BroadSoft_PartnerConfigGuide_Patton_SmartNode.pdf) December 2, 2013

Model 552 Series Manual (/manuals/552.pdf) January 27, 2010

Company (/company/)

- > Contact Us (/company/contact-us.asp)
- > About Patton (/company/about.asp)
- > Jobs (/company/careers/)
- > Capabilities (/products/special/services.asp)
- > Quality & Responsibility (/company/environment/)
- > Legal (/legal/)

News & Events

- > Press Room/Releases (/press/)
- > Training & Events (/training/)
- > Library/Downloads (/resources/)

Partners & Resources (/partners/)

- > Partner Programs (/partners/)
- > Resources (/resources/)
- > Blog (<https://blog.patton.com>)

Products

(/products/)

Unified Communications

- > VoIP Gateways (/voip-gateway/#products)
- > VoIP Routers (/voip-router/#products)
- > VoIP IADs (/voip-iad/#products)
- > SIP eSBCs (/session-border-controller/#products)
- > VoIP Appliances (/ip-pbx/#products)
- > SS7 Media Gateways (/ss7-gateway/#products)

Software and Cloud

- > Virtual SBC (/virtual-sbc/#products)
- > Virtual Access Router (/virtual-access-router/#products)
- > VPN Server (/vpn-server/#products)
- > IPv6 to IPv4 Network Gateway (/network-gateway/#products)
- > Intelligent Edge Orchestration (/intelligent-edge-orchestration/#products)
- > NFV & SDN (/nfv/#products)

Network Access

- > Ethernet Extenders (/ethernet-extender/#products)
- > PoE Products (/poe/#products)
- > xDSL Products (/xdsl/#products)
- > Routers (/router/#products)
- > Dial-Up Access (/dial-up/#products)

Sunset Products

(/products/sunset-products.asp).

Connectivity

- > Line Drivers / Short Range Modems (/products/network-connectivity/#11)
- > Fiber Serial DataCom (RS-232/422/530/188C) (/products/network-connectivity/#27)
- > Ethernet Over Fiber (/products/network-connectivity/#23)
- > Multiplexers & Sharing Devices (/products/network-connectivity/#12)
- > Fiber Telecom (T1/E1/PRI, Analog and ISDN) (/products/network-connectivity/#28)
- > Pro AV Live and Media Broadcast Fiber Systems (/products/network-connectivity/#29)
- > SFP (Small Form Pluggable) Modules and Kits (/products/network-connectivity/#30)
- > Fiber Alarming, Notification, Relay and Control (/products/network-connectivity/#24)
- > Other Network Extenders (/products/network-connectivity/#13)
- > Defense/Security Fiber Communications (/products/network-connectivity/#22)
- > Baluns (/products/network-connectivity/#3)
- > Surge Protectors & Opto-Isolators (/products/network-connectivity/#15)
- > DataTaps, Testers, Adapters, Rack Kits (/products/network-

connectivity/#7)
> Interface Converters
(/products/network-connectivity/#10)
> Fiber Rack and Enclosure Systems
(/products/network-connectivity/#25)
> Fiber Repeaters and Wavelength Division Multiplexers (WDM)
(/products/network-connectivity/#26)
> Waveguide RF Filters
(/products/network-connectivity/#31)

Support & Services (/support/)

> Support Home (/support/)
> Support Portal (/support/#portal)
> Premium Support (/support/support.asp)
> Software Upgrades (/support/upgrades/)
> Warranty Services (/support/support-warranty.asp)
> Returns & RMAs (/returns/)
> Manuals (/manuals/)

Special Projects Group (SPG) (/products/special)

> SPG Home (/products/special/)
> Services & Capabilities
(/products/special/services.asp)
> Projects (/products/special/projects.asp)
> Facilities (/products/special/facilities.asp)



Select your country ▼

Sales: sales@patton.com (mailto:sales@patton.com) / +1 301 975 1000

Support: support@patton.com (mailto:support@patton.com) / +1 301 975 1007

Have Us Contact You

sue.chu@icomtechinc. or Phone Number

Submit

Join Our Email List

sue.chu@icomtechinc.com

Subscribe

Connect With Us



(https://twitter.com/pattonconnect)



(https://www.linkedin.com/company/electronics)

(<https://www.youtube.com/user/pattonelectronicSCO>) 

(<https://www.linkedin.com/companies/patton-electronics>) 

(</news.rss>)